

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b), 1.97(c), or 1.97(d)			Attny. Docket No. 2000B028-2
In Re Application of: Vaughn et al.			
U.S. Serial No. CON of 09/587,766	Filing Date August 14, 2003	Examiner Unassigned	Group Art Unit Unassigned

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR § 1.97(b)

- ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

37 CFR § 1.97(c)

- ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); after three months of the date of entry of the national stage as set forth in § 1.491 in an international application; after the mailing of a first Office Action on the merits; or after the mailing of a first Office Action after the filing of a request for continued examination under § 1.114, but before the mailing date of:

1. a Final Action under § 1.113,
2. a Notice of Allowance under § 1.311, or
3. an action that otherwise closes prosecution in the application,

and is accompanied by either:

- ☐ the fee as set forth in § 1.17(p), or
- ☐ the following statement under § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

37 CFR § 1.97(d)

- ☐ The Information Disclosure Statement submitted herewith is being filed after a Final Action under § 1.113, a Notice of Allowance under § 1.311, or an action that otherwise closes prosecution in the application, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is the fee as set forth in § 1.17(p) and the following statement under 37 CFR § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Applicant hereby request consideration of the Information Disclosure Statement, USPTO form 1449, submitted herewith.

☒ Legible copies of the references are enclosed.

☒ This application is a:

☒ Continuation / Divisional,

☐ Continuation-in-Part,

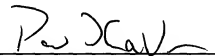
of U.S.S.N. 09/587,766 filed June 6, 2000. Copies of the cited references are ☐ enclosed;
☐ not enclosed. References are available in the parent application(s) if not enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account Number 05-1712. A duplicate copy of this form is enclosed.

Respectfully submitted,

August 14, 2003

Date



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INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO.	SERIAL NO.
	2000B028-2	CON of 09/587,766
	APPLICANT	
	Vaughn et al.	
	FILING DATE	GROUP
	August 14, 2003	Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,258,455	06/28/66	Natta et al.	260	93.7	
	3,305,538	02/21/67	Natta et al.	260	93.7	
	3,364,190	01/16/68	Emrick	260	93.7	
	3,645,992	02/29/72	Elston	260	80.78	
	4,076,698	02/28/78	Anderson et al.	526	348.6	
	4,243,691	01/06/81	Mohlenkamp, Jr et al.	426	649	
	4,302,565	11/24/81	Goeke et al.	526	88	
	4,310,440	01/12/82	Wilson et al.	252	435	
	4,567,029	01/28/86	Wilson et al.	423	306	
	4,659,685	04/21/87	Coleman, III et al.	502	113	
	4,861,743	08/29/89	Flank et al.	502	214	
	5,096,684	03/17/92	Guth et al.	423	306	
	5,126,308	06/30/92	Barger et al.	502	214	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	199852747	08/26/99	AU (English)				
	3 524 890	07/11/85	DE			X	
	060 103	09/15/82	EP (English)				
	096 996	12/28/83	EP (English)				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	"Riser Reactor", <i>Fluidization and Fluid-Particle Systems</i> , pages 48-59, F.A. Zenz and D.F. Othmer, Reinhold Corp. NY 1960.
	Louge, Michael, "Experimental Techniques" <i>Circulating Fluidized Beds</i> , Blackie Academic & Professional, pp.336-337 (1997)

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,892,079	04/06/99	Wilson, Jr.	556	11	
	2,906,695	09/29/59	Boston	208	127	
	3,647,682	03/07/72	Rabo et al.	208	120	
	4,238,631	12/09/80	Daviduk et al.	585	469	
	4,419,221	12/06/83	Castagnos, Jr. et al.	208	113	
	4,440,871	04/03/84	Lok et al.	502	214	
	4,499,327	02/12/85	Kaiser	585	640	
	4,613,721	09/23/86	Kaiser	585	643	
	4,677,242	06/30/87	Kaiser	585	638	
	4,677,243	06/30/87	Kaiser	585	638	
	4,752,651	06/21/88	Kaiser	585	640	
	4,861,938	08/29/89	Lewis et al.	585	640	
	5,095,163	03/10/92	Barger	585	640	

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						YES	NO
	882 692	12/09/98	EP			X	
	WO 97/36845	10/09/97	PCT (English)				
	WO 99/15482	04/01/99	PCT (English)				
	WO 00/32543	06/08/00	PCT (English)				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	Meier et al., Atlas of Zeolite Structure Types, 4th ed., (1996).
	Blackwell and Patton, J.Phys. Chem., 92, pp. 3965-3974 (1988.)

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	5,157,181	10/20/92	Stine et al.	585	329	
	5,191,141	03/02/93	Barger et al.	585	640	
	5,278,345	01/11/94	Janssen et al.	585	640	
	5,475,182	12/12/95	Janssen	585	640	
	5,714,662	02/03/98	Vora et al.	585	640	
	5,714,663	02/03/98	Serrand et al.	585	648	
	5,744,680	04/28/98	Mulvaney, III et al.	585	640	
	5,817,906	10-1998	Marker et al.	585	640	
	5,904,880	05/18/99	Sun	252	373	
	5,912,393	06/15/99	Barger et al.	585	640	
	5,914,433	06/22/99	Marker	585	313	
	5,927,063	07/27/99	Janda et al.	60	39.02	
	5,932,512	08/03/99	Sun	502	214	
	5,952,538	09/14/99	Vaughn et al.	585	640	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

	"Free Fall Reactor," <i>Fluidization Engineering</i> , D. Kunii and O. Levenspiel, John Wiley & Sons, Inc., (1969).
	"MTO - has its time come?" Nitrogen & Methanol, No. 246, Jul-Aug 2000
	Barger et al., "Converting Natural Gas to Ethylene and Propylene by the UOP/Hydro MTO Process," 12 th International Zeolite Conference 1999 Materials Research Society p. 567-573
	Chang, "Methanol Conversion to Light Olefins," Catal. Rev.-Sci. Eng., 26(3&4), 323-345 (1984)

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		5,962,762	10-1999	Sun et al.	585	640	
		5,972,203	10/26/99	Smith et al.	208	113	
		6,005,155	12/21/99	Sun	585	640	
		6,023,005	02/08/00	Lattner et al.	585	639	
		6,040,264	03/21/00	Sun et al.	502	214	
		6,046,371	04/04/00	Wu et al.	585	638	
		6,051,745	04/18/00	Wu et al.	585	638	
		6,051,746	04/18/00	Sun et al.	585	639	
		6,057,261	05/02/00	Sun	502	341	
		6,121,503	09/19/00	Janssen et al.	585	640	
		6,121,504	09/19/00	Kuechler et al.	585	640	
		6,137,022	10/24/00	Kuechler et al.	585	638	
		6,166,282	12/26/00	Miller	585	638	
		6,187,983	02-2001	Sun	585	638	
		6,245,703	06-2001	Kuechler et al.	502	22	

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		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)		
		Kaeding et al., "Production of Chemicals from Methanol," Journal of Catalysis 61, 155-164 (1980)
		Marchi et al., "Catalytic Conversion of Methanol to Light Alkenes on SAPO Molecular Sieves," Applied Catalysis, 71 (1991) 139-152
		Liang et al., "Characteristics and Performance of SAPO-34 Catalyst for Methanol-to-Olefin Conversion," Applied Catalysis, 64 (1990) 31-40

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